



City of Montgomery

Operations Report

January 2022

12/18/21 – 01/17/22

District Alerts

12/18/2021—Water Plant 3, low GST level

Operator was notified of low GST levels. Upon arrival operator found well 3 tripped. Operator reset equipment; issue persisted. Well motor had to be replaced, facility back online.

12/22/2021 – Lift Station 4, Lift Pump 1

During regular facility check-in operator found lift pump 1 with high run times. Lift pump was clogged with debris. Both pumps were pulled and cleaned of debris.

12/23/2021—Lift Station 3, Clogged Pumps

During regular facility check in, operator noticed lift pumps vibrating heavily. Both pumps were clogged with debris. Both pumps were cleaned of debris.

12/27/2021 – Sewer Back Up, Cedar Crest Trailer Park

Technician was notified of sewer back up near Cedar Crest trailer park. Upon arrival technician found nearest manhole overflowing. Technician had manhole jetted, sewage now flowing properly.

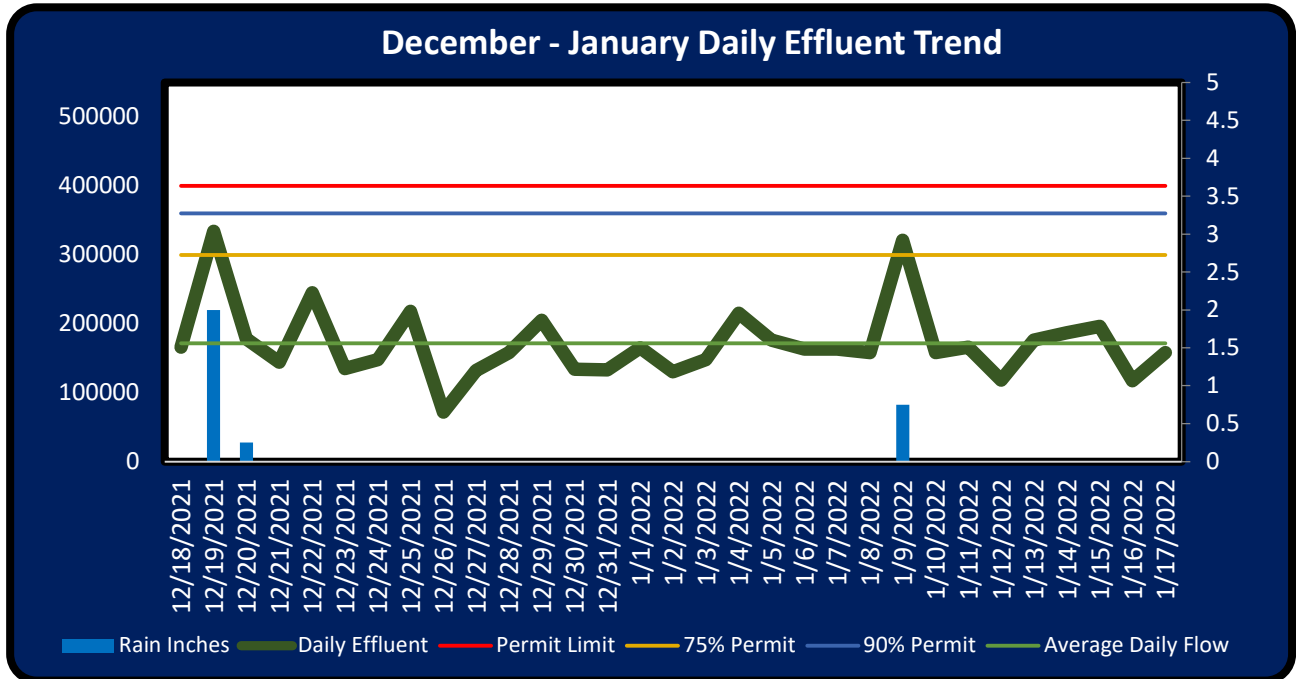
12/30/2021—Lift Station 4, Lift Pump 1 high run times

Operator found lift pump 1 clogged with debris. Lift pump 1 was pulled and cleaned of debris. Facility back online.

12/30/2021—Water Quality, 609 Worsham

Resident reported strong chlorine smell in the water. Operator investigated issue and flushed nearest water hydrant. Resident was informed, no further issues.

Wastewater Plant Flow Detail



- Flow for the month of December - January was 5,317,000 gallons
- Daily peak flow was December 19, 2021 was 334,000 gallons
- Average Daily Flow 171,500 gallons
 - 3-month average flow 173,933 gallons
 - 43% of permitted capacity


Discharge Limitations

- Daily Average Flow 400,000 gallons (0.4 MGD)
- 2-Hour Peak Flow 833 gpm
- CBOD daily average 10 mg/l
- Total Suspended Solids (TSS) 15 mg/l
- Ammonium Nitrogen (NH3) 2 mg/l
- Chlorine Residual >1.0 mg/l < 4.0 mg/l
- The current permit expires 06/01/2022

Effluent

TSS, DO, E.Coli, NH3N, PH sample results were all comfortable within the parameters set by the State of Texas.

Buffalo Springs WWTP Effluent Monitoring Report

Effluent Permitted Values	Parameter		Measured	Excursion
Average Monthly T.S.S.	15	mg/l	2.10	no
Average Monthly NH3	2	mg/l	1.22	no
Minimal CL2 Residual	1	mg/l	1.12	no
Max CL2 Residual	4	mg/l	3.95	no
Rainfall for the Month		3.00	inches	

There were no excursions for the month of January.

Water Report:

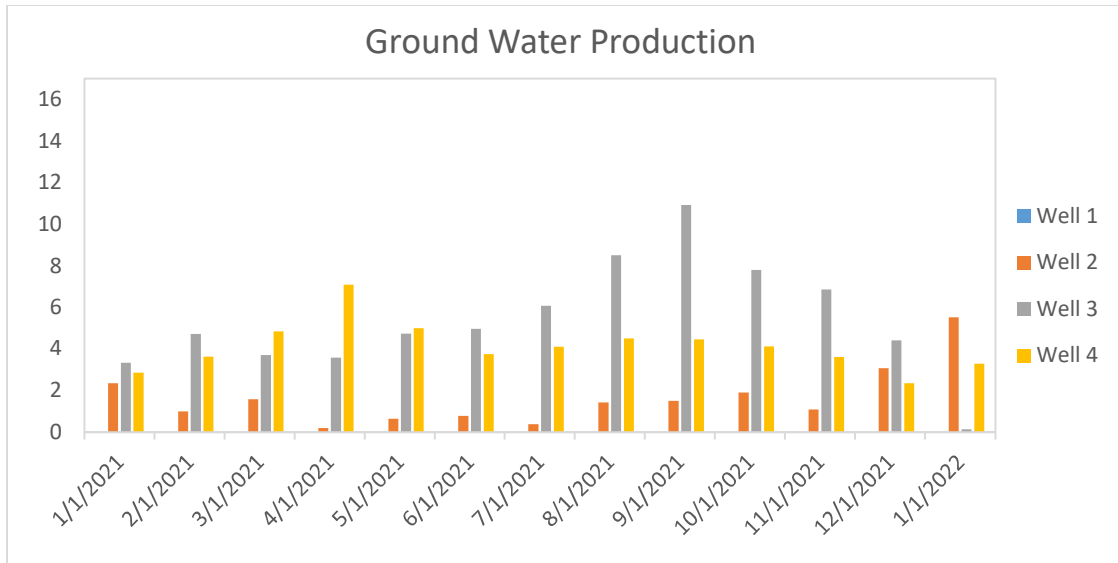
12/18/2021-01/17/2022

2021							
Well Name	Recorded Flow MGD	% of Total	Rating MGD/Day	YTD Pumpage MGD	YTD %	Permitted Value	Remaining Permit %
Well 2	5.511	62.10%	0.864	2.986	62.10%	92.930	96.79%
Well 3	0.124	0.00%	0.864	0.00	0.00%		
Well 4	3.281	37.90%	2.160	1.822	37.90%	90.000	97.98%
Total	8.916	100.00%	3.888	4.808	100%	182.930	
Flushing	0.329						
Subtotal	8.587						
Sold	8.125						
% Accounted	96%						

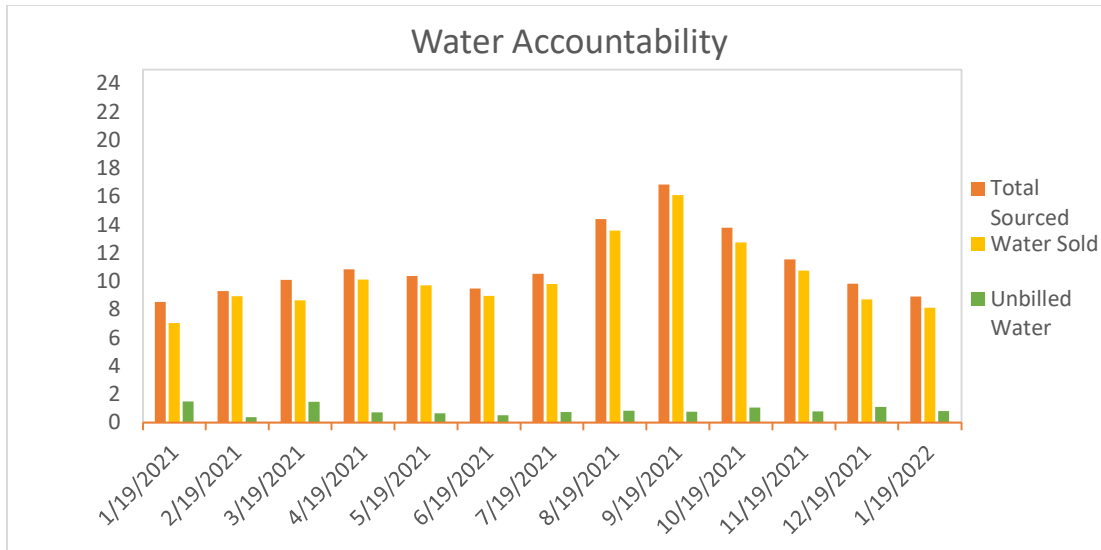
2021 YTD Pumpage	Permitted Value	Remaining %	
Jasper Permit (Well 2 &3)	85.043	92.930	8.48%
Catahoula Permit (Well 4)	50.451	90.000	43.94%
Total	135.494		

Accountability	
Total Water Sourced	8.916
Flushing	0.329
Subtotal	8.587
Sold	8.125
Accountability %	96%

CONNECTIONS	
School	12
Commercial Inside	172
Commercial Outside	1
Residential Inside	825
Residential Outside	29
Church	14
City	15
Hydrant	7
Multifamily	14
n/a	3
Total	1092



Date	Total	Well_1	Well_2	Well_3	Well_4
AVG	11.12	0.000	1.643	5.359	4.115
1/19/2021	8.527	0.000	2.340	3.334	2.853
2/19/2021	9.314	0.000	0.987	4.712	3.615
3/19/2021	10.103	0.000	1.58	3.693	4.830
4/19/2021	10.837	0.000	0.185	3.572	7.080
5/19/2021	10.365	0.000	0.642	4.734	4.989
6/19/2021	9.476	0.000	0.773	4.962	3.741
7/19/2021	10.538	0.000	0.372	6.073	4.093
8/19/2021	14.408	0.000	1.421	8.492	4.495
9/19/2021	16.857	0.000	1.49	10.916	4.451
10/19/2021	13.802	0.000	1.902	7.784	4.116
11/19/2021	11.545	0.000	1.088	6.855	3.602
12/19/2021	9.819	0.000	3.066	4.410	2.343
1/19/2022	8.916	0.000	5.511	0.124	3.281
Total	144.51	0.000	21.357	69.661	53.489



Date	Accountability	Unaccounted	Total Sourced	Water Sold	Flushing/ Leaks	Unbilled Water
1/19/2021	96%	0.331	8.527	7.046	1.150	1.481
2/19/2021	97%	0.303	9.314	8.936	0.075	0.378
3/19/2021	94%	0.618	10.103	8.642	0.843	1.461
4/19/2021	97%	0.328	10.837	10.126	0.383	0.711
5/19/2021	96%	0.465	10.365	9.722	0.178	0.643
6/19/2021	95%	0.483	9.476	8.966	0.027	0.510
7/19/2021	95%	0.557	10.538	9.803	0.178	0.735
8/19/2021	98%	0.355	14.408	13.579	0.474	0.829
9/19/2021	97%	0.577	16.857	16.097	0.183	0.760
10/19/2021	94%	0.885	13.802	12.760	0.157	1.042
11/19/2021	97%	0.332	11.545	10.758	0.455	0.787
12/19/2021	96%	0.404	9.819	8.721	0.694	1.098
1/19/2022	96%	0.401	8.916	8.125	0.390	0.791